

What is Claimed is:

1. A covering for an implantable device comprising  
a first surface, the first surface being non-textured, and  
a second surface having ridges and valleys.
2. The covering of claim 1 further comprising PTFEe material.
3. The covering of claim 1 wherein the ridges and valleys of the second surface  
form nested geometric structures.
4. The covering of claim 3 wherein the nested geometric structures comprise  
nested hexcels.
5. An implantable device covering comprising  
a sheet of flexible material having first and second surfaces,  
the first surface being flat,  
the second surface having peaks and troughs and being adapted to interface  
with body tissues.
6. The covering of claim 5 further comprising PTFEe material.
7. The covering of claim 5 wherein the peaks and troughs of the second surface  
form nested geometric structures.

8. The covering of claim 7 wherein the nested geometric structures comprise nested hexcels.

5 9. An implantable device and covering comprising  
an implantable device, and  
a sheet of flexible material attachable to the implantable device, the sheet including a tissue interfacing surface, wherein the tissue interfacing surface includes a plurality of structures forming ridges and valleys.

10 10. The implantable device and covering of claim 9 wherein the covering further comprising PTFEe material.

11 11. The implantable device and covering of claim 9 wherein the ridges and valleys of the tissue interfacing surface form nested geometric structures.

12. The implantable device and covering of claim 11 wherein the nested geometric structures comprise nested hexcels.

20 13. An implantable device covering comprising  
a sheet of flexible material having first and second surfaces,  
the first surface being non-textured,

the second surface having first and second planar surfaces, the first and second planar surfaces being in non-planar relation.

14. The covering of claim 13 further comprising PTFE material.